PHILIP MINOR KQ 58 (FIELDS 1-20) KING & QUEEN COUNTY, VIRGINIA MAY 2013





May 10, 2013

Mr. Seth Mullins Dept. of Environmental Quality Piedmont Regional Office 4949-A Cox Road Glen Allen, VA 23060

Dear Mr. Mullins:

Transmitted herein for your consideration is land application site for Phil Minor (designated as KQ 58, (fields 1-20) located in King & Queen County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,

D. Steve McMahon

Sr. Technical Services Director

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FIELD SUMMARY SHEET

Phil Minor

KQ 58

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	TOPO QUAD	OWNER
58-01	96.3	96.3	2750		Phil & Linda Minor Mary Hudson Jane Copland
58-02	108.4	108.4	2154		Phil & Linda Minor Mary Hudson Jane Copland
58-03	62.1	62.1	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-04	56.1	56.1	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-05	32.9	32.9	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-06	11.2	11.2	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-07	26.9	26.9	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-08	33.4	33.4	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-09	41.3	41.3	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-10	60.6	60.6	2749		Phil & Linda Minor Mary Hudson Jane Copland
58-11	37.9	37.9	2749		Phil & Linda Minor Mary Hudson Jane Copland

58-19 58-20	7.6 7.2	7.6	2749	Mary Hudson Jane Copland Phil & Linda Minor Mary Hudson
58-18 58-19	15.8 7.6	15.8 7.6	2749 2749	Phil & Linda Minor Mary Hudson Jane Copland Phil & Linda Minor
58-17	21.1	21.1	2749	Phil & Linda Minor Mary Hudson Jane Copland
58-16	4.1	4.1	2749	Jane Copland Phil & Linda Minor Mary Hudson Jane Copland
58-15	7.8	7.8	2749	Jane Copland Phil & Linda Minor Mary Hudson
58-14	145.6	145.6	2749	Jane Copland Phil & Linda Minor Mary Hudson
58-13	19.3	19.3	2749	Jane Copland Phil & Linda Minor Mary Hudson
58-12	18.8	18.8	2749	Phil & Linda Minor Mary Hudson

PA	RT D-VI: LAND API	PLICATION AGR	EEMEŅT -	BIOSOLIDS AN	D INDUST	RIAL RESIDUA	ALS	
her terr eve ide	This land application ag e as "Landowner", and minated in writing by eit ent of a sale of one or m ntified in this agreemen receive biosolids or indu	Synagro, referred the party or, with renore parcels, until out changes, those party of the party	to here as the espect to tho wnership of arcels for wh	e "Permittee". This se parcels that are all parcels changes iich ownership has	retained by s. If owners	t remains in effect the Landowner ship of individual	in the parcels	
The	ndowner: e Landowner is the own agricultural, silvicultura ached as Exhibit A.	er of record of the	real property es identified	located in _ below in Table 1 a	nd identifie	, Virginia, which d on the tax map	includes (s)	- 1
	Table 1.: Parcels au	thorized to receive	biosolids, w	ater treatment resid	duals or oth	er industrial slud	ges	
	Tax Parcel ID	Tax Parce	el ID	Tax Parcel	ID	Tax Parce	el ID	
32,	101584 GlENWOOD							_
	OL 557 Mount							_
	OR 803 LYNNS				-			-
32 5	55 L 485 JEFER							-
	ditional parcels containing La	nd Application Siton are	identified on C	upplement A (check if a	annlicable)			
						analm.		
Ch	eck one: ☐ Ti ☑ Ti	he Landowner is the he Landowner is or	e sole owner ne of multiple	of the properties in e owners of the pro	perties ider	erein. htified herein.		
wit	In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and 2. Notify the Permittee of the sale within two weeks following property transfer.							
not for	The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.							
agr ins	e Landowner hereby gra icultural sites identified pections on the land ide pose of determining co	above and in Exhibentified above, before	oit A. The La re, during or	andowner also grar after land applicat	nts permiss ion of perm	ion for DEQ staff itted residuals for	to conduct	
Phil	ass B biosolids Wat Yes □ No X Yo I D R. Mi Nor y M. Hadson I B M. Capland	ter treatment residu es I No Alang vil.) XY		X Ye 1198 Shann 13000 Wey	Box 99 St. Stephs ondale 24., Weeken anoke Road, (hi	is Ch Um 2	3116
	downer – Printed Name, Tit Me. H. Minor		iture A Menor			Address Is Bridge Red;	at Stephens	Ch., V
Syr by	Permittee: Synagro, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.							
The	The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.							
☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement). 10647 106water 10ax						Pa, 1		
1	. Steve McM	whow V	Sten	meMal	Chi	Amplain V	1A 224	38
Per	mittee - Authorized Representation Printed Nam		ature		Mailing	Address	1	

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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Synagro	County or City: _	KING & QUEEN	Co.
Landowner: Philip R. Minor		/	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

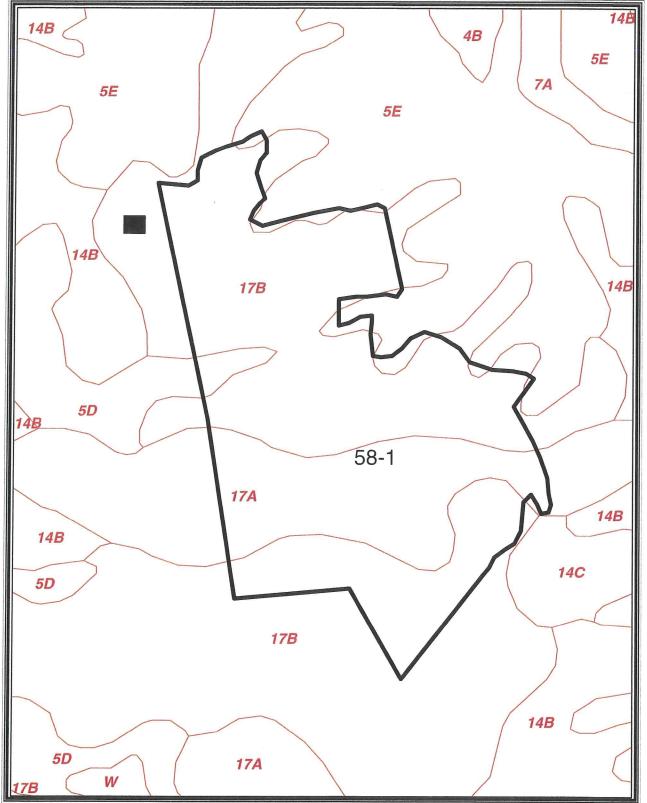
- a. Meat producing livestock shall not be grazed for 30 days;
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

5-12-2013

Date **5//2//3**

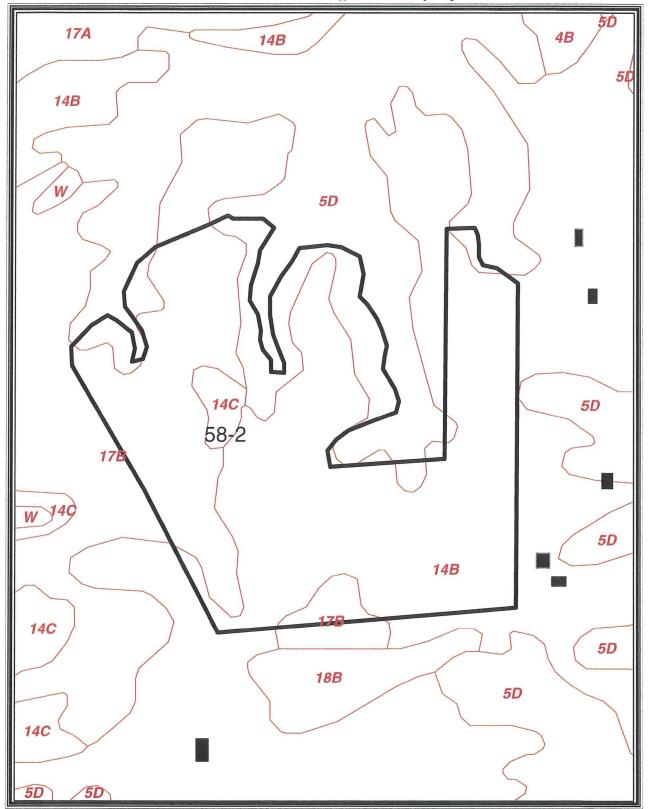
Tax ID Landowner Identification Sheet

Landowner	Field #	Tax ID
Phil & Linda Minor Mary Hudson Jane Copland	58-(1-20)	
Field #	Latitude (north)	Longitude (west)
58-1	37°50'06.94"	77°03'52.17"
58-2	37°48'59.70"	77°03'15.53"
58-3	37°49'28.39"	77°05′54.45″
58-4	37°49'38.89"	77°05′25.32"
58-5	37°49'30.11"	77°05′26.61"
58-6	37°49'09.76"	77°05′57.88″
58-7	37°49'10.19"	77°05′44.81″
58-8	37°49'30.32"	77°06'07.08"
58-9	37°49'45.31"	77° 06'07.94"
58-10	37°49'48.31"	77°06′27.00″
58-11	37°50'08.87"	77°06'45.85"
58-12	37°50'17.43"	77°06'29.14"
58-13	37°50'03.09"	77°06′23.36″
58-14	37°50'04.37"	77°05′54.66″
58-15	37°49'53.66"	77°06'09.44"
58-16	37°49'51.74"	77°05′55.52"
58-17	37°50'19.79"	77°06'00.66"
58-18	37°50'14.44"	77°05′37.33″
58-19	37°50'08.01"	77°05′33.03″
58-20	37°50'08.23"	77°05′26.82″



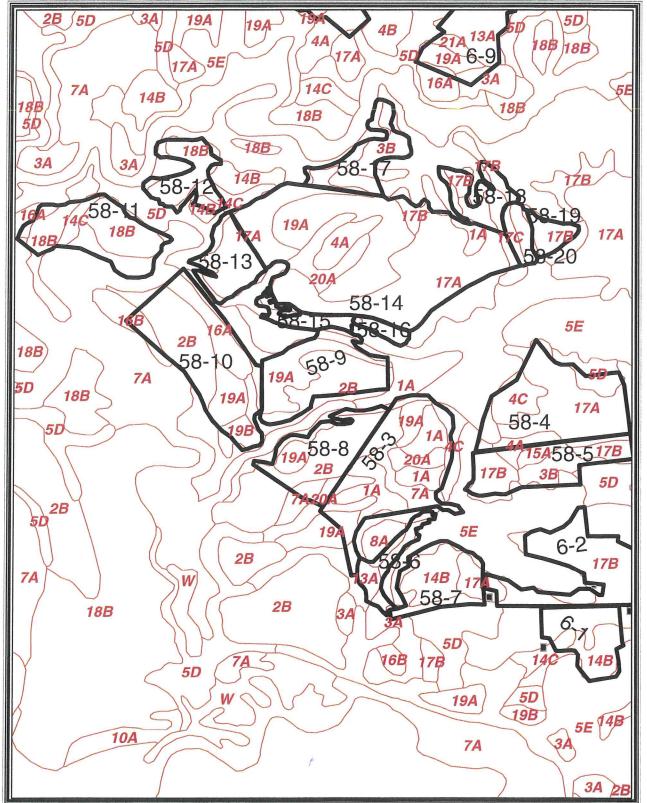


1 inch = 660 feet



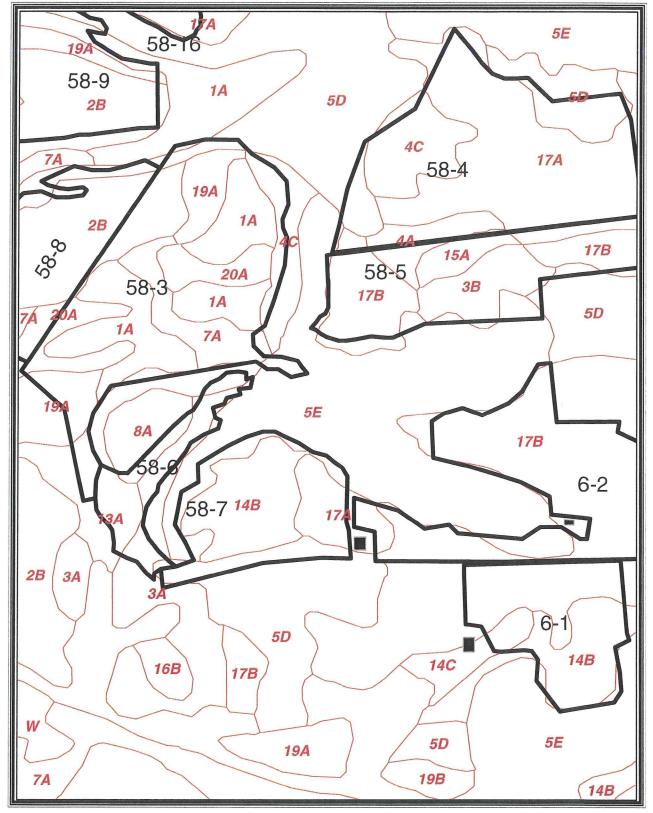


1 inch = 660 feet



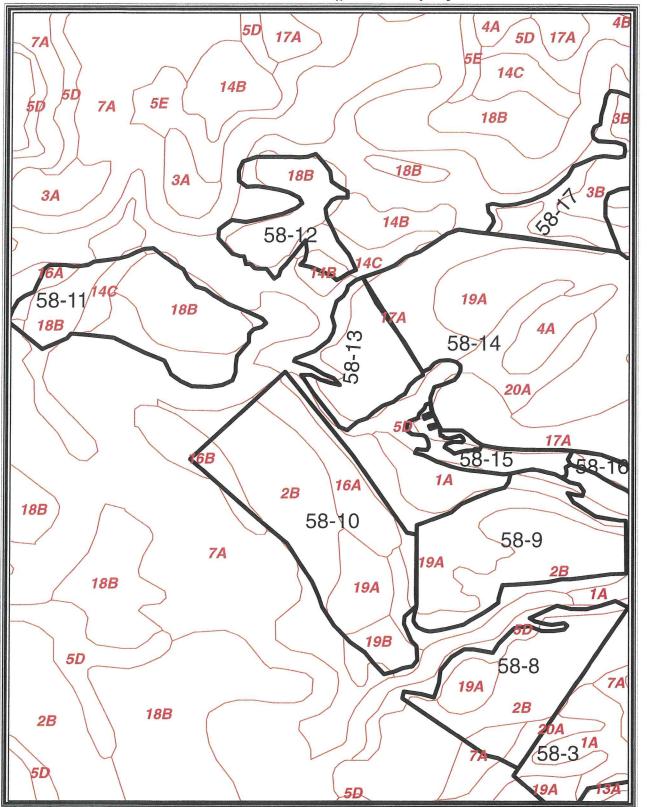


 $1 \text{ inch} = 1,666.666667 feet}$



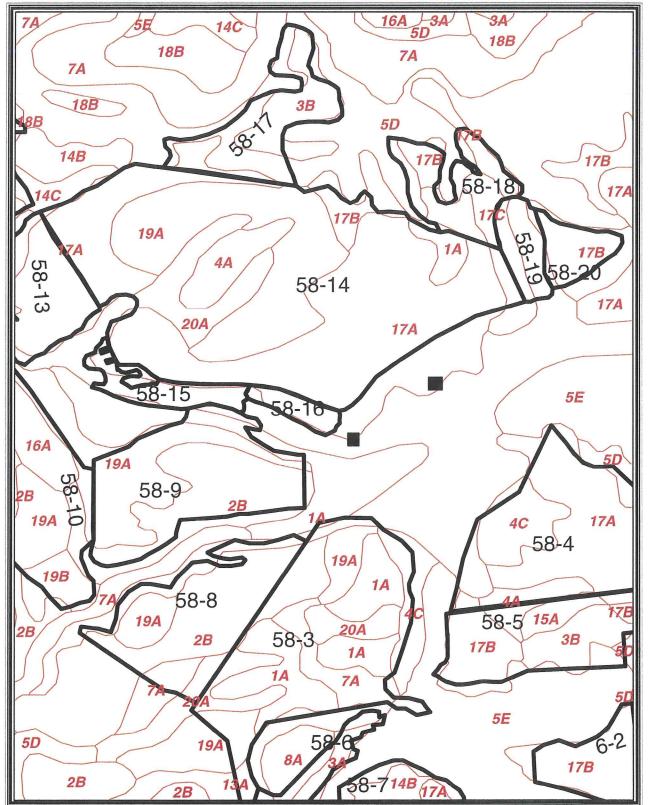


1 inch = 833.333333 feet



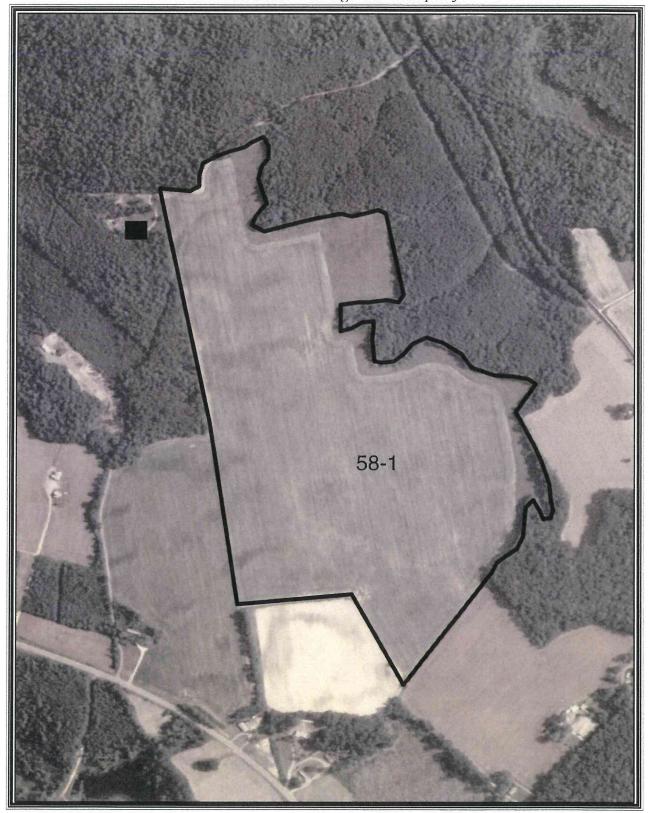


1 inch = 1,000 feet



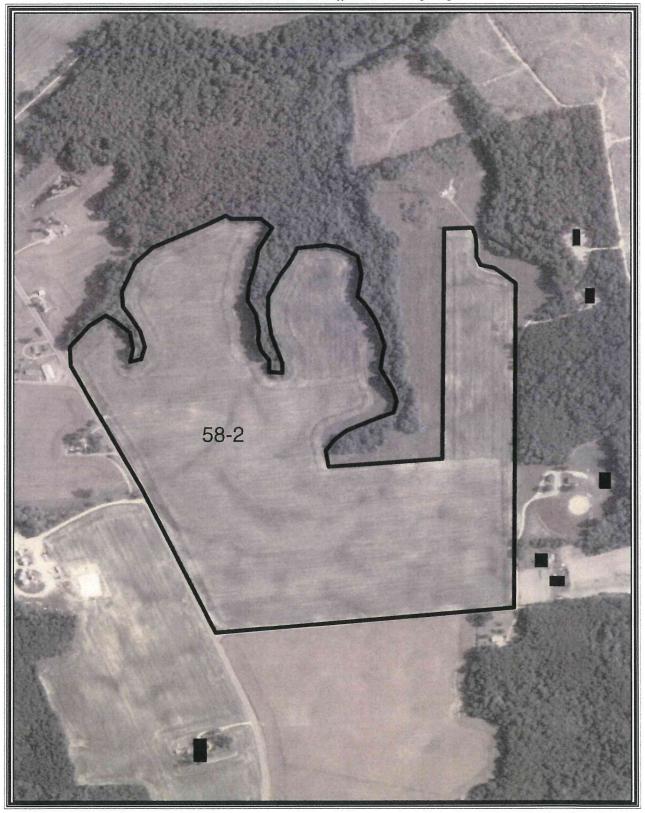


1 inch = 1,000 feet



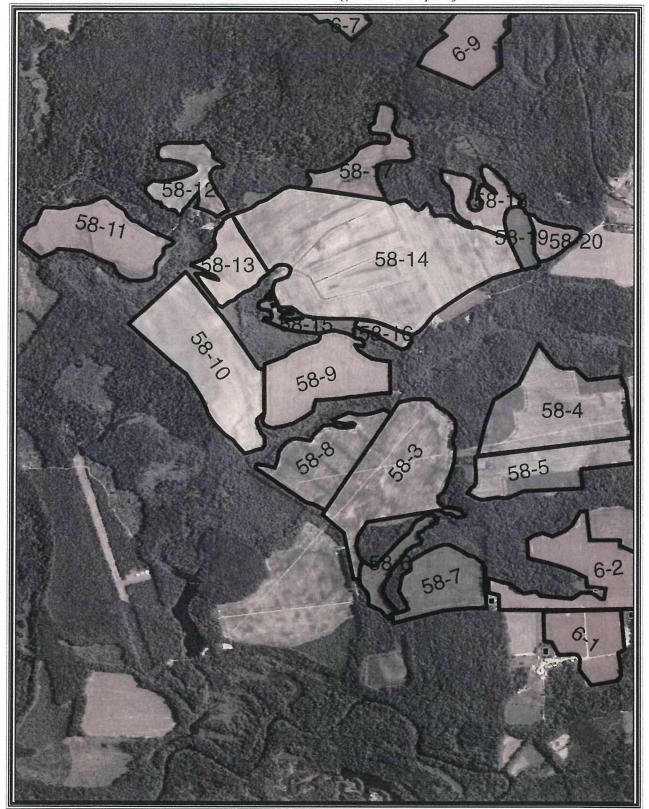


1 inch = 660 feet





1 inch = 660 feet



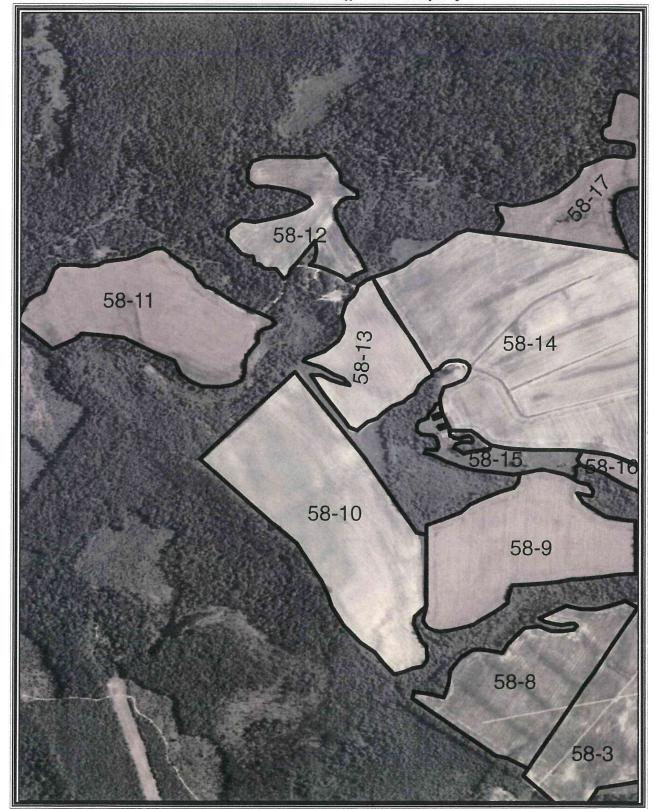


 $1 \text{ inch} = 1,666.666667 feet}$



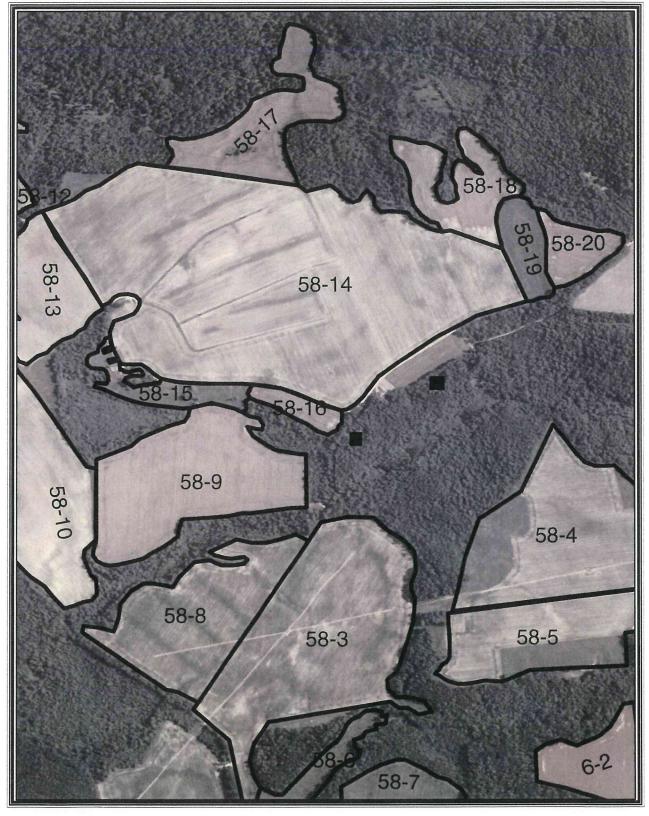


1 inch = 833.333333 feet



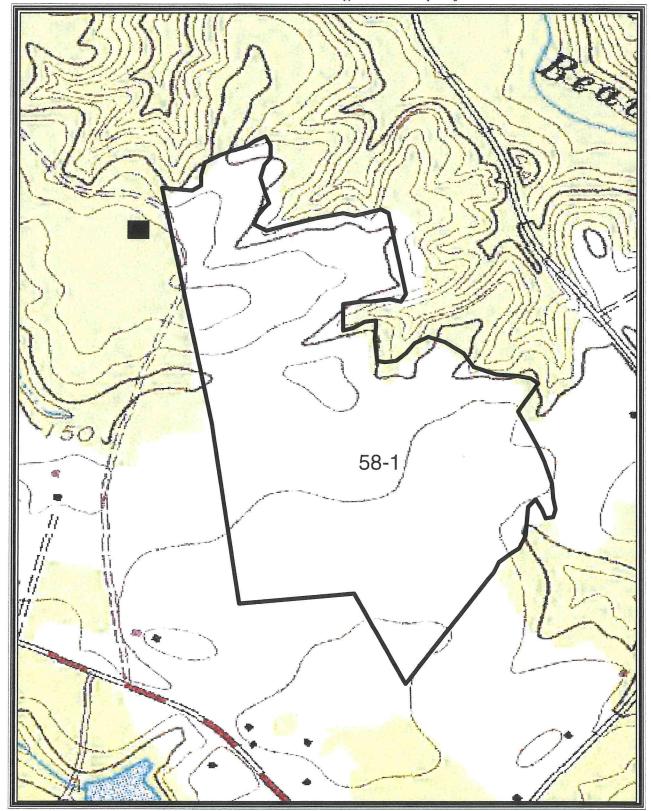


1 inch = 1,000 feet





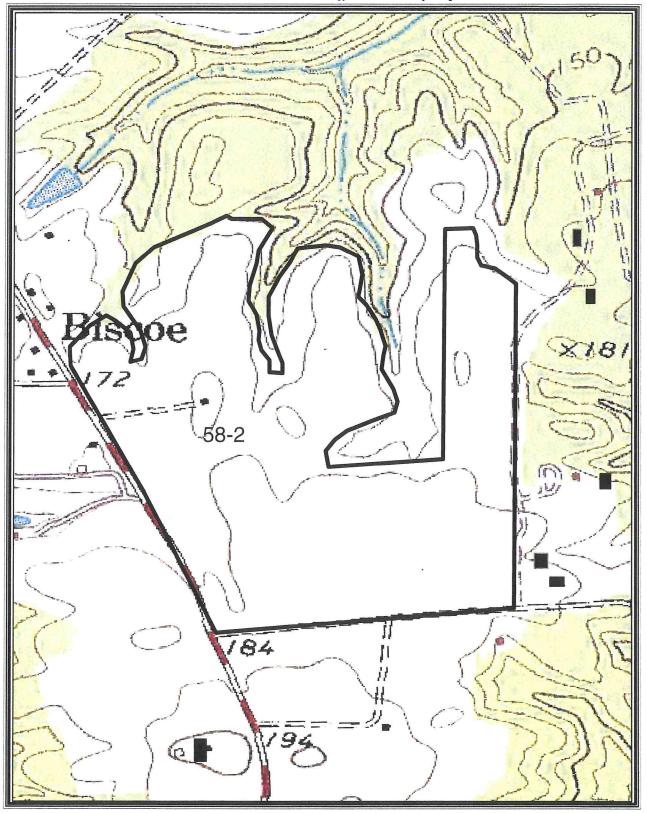
1 inch = 1,000 feet





1 inch = 660 feet

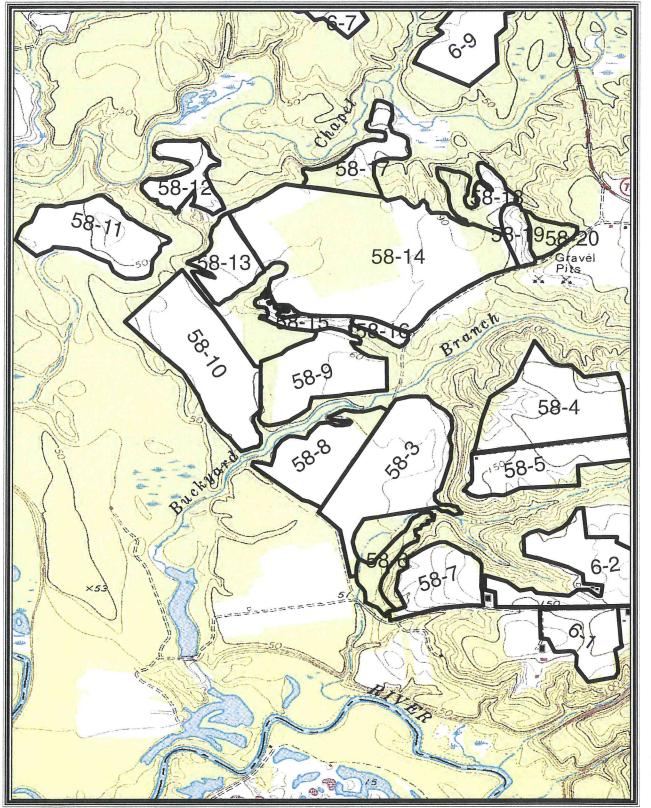
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1 inch = 660 feet

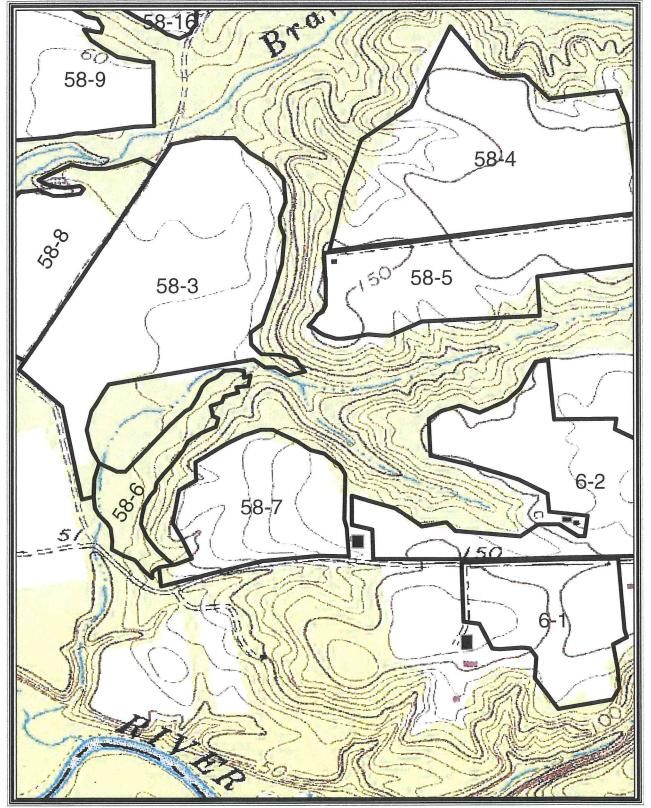
Phil Minor KQ 58 Fields 3-20



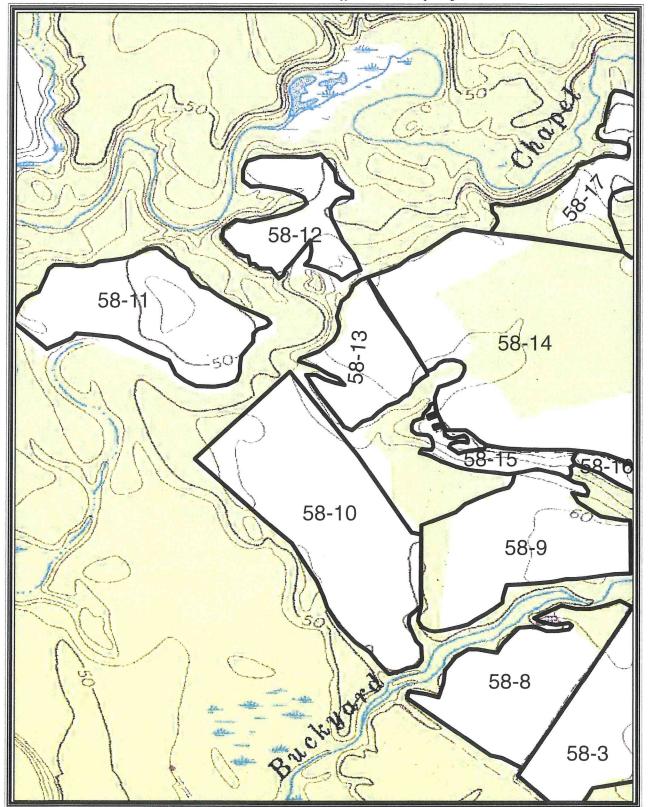


 $1 \text{ inch} = 1,666.666667 feet}$



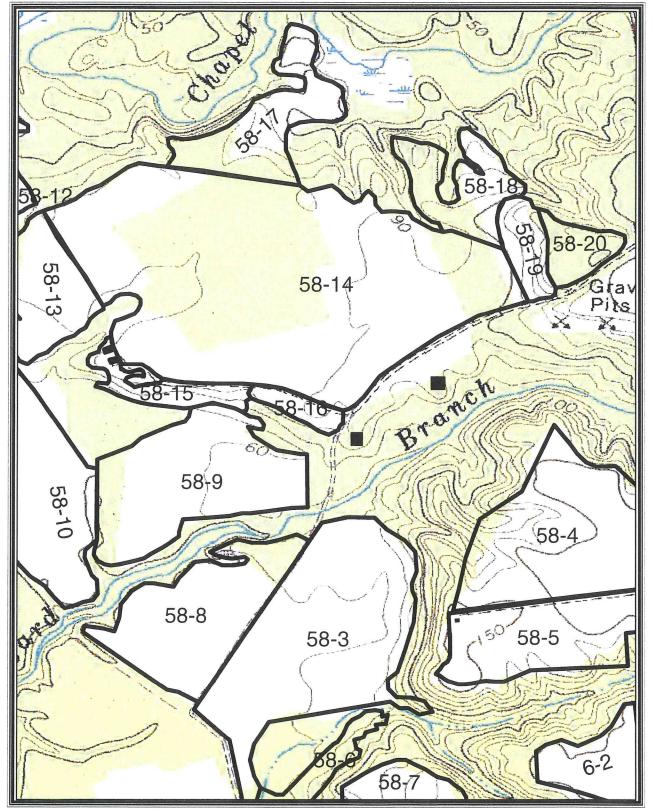








1 inch = 1,000 feet





1 inch = 1,000 feet



Phil Minor KQ 58 Location Map

